

Original block
of text.

16

We would like to deter copying of this document by embedding an imperceptible watermark that identifies the original recipient of the document. If an illicit copy is later found, the watermark can be read from the document to determine its source. At that point appropriate action can be taken to

to determine how the document was leaked.

12

Exaggerated shifts in the text block of ~0.07". This is 10 times what a typical value would be.

18 16

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Typical shifts of ~0.007" in the text block.

16

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to determine how the document was leaked.

10

unshifted - control line
shifted right - 1 bit
shifted left - 0 bit
shifted left - 0 bit
shifted right - 1 bit
shifted left - 0 bit
unshifted - control line

Figure 1

Title: Document Watermarking Method Using Line Margin
Shifting
Inventor: Joe PASQUA
Application No.: NEW
Docket No.: 505102000600

Sheet 2 of 3

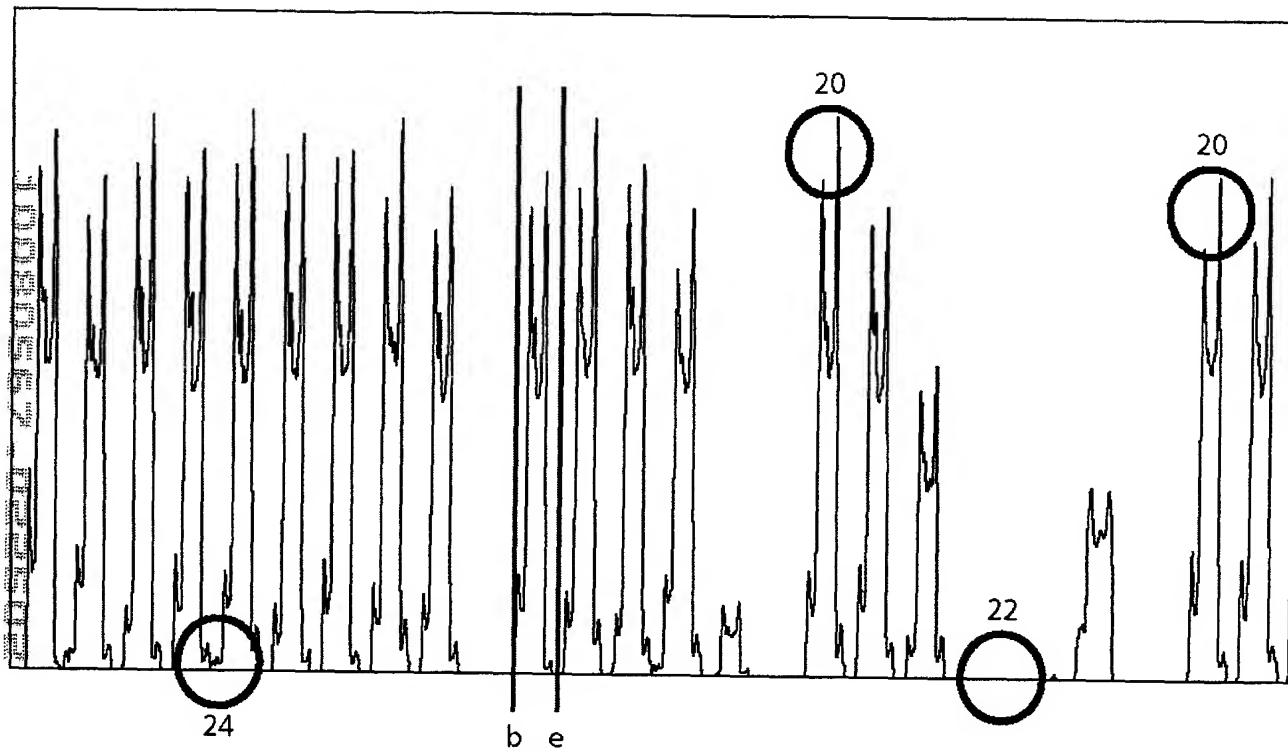


Figure 2

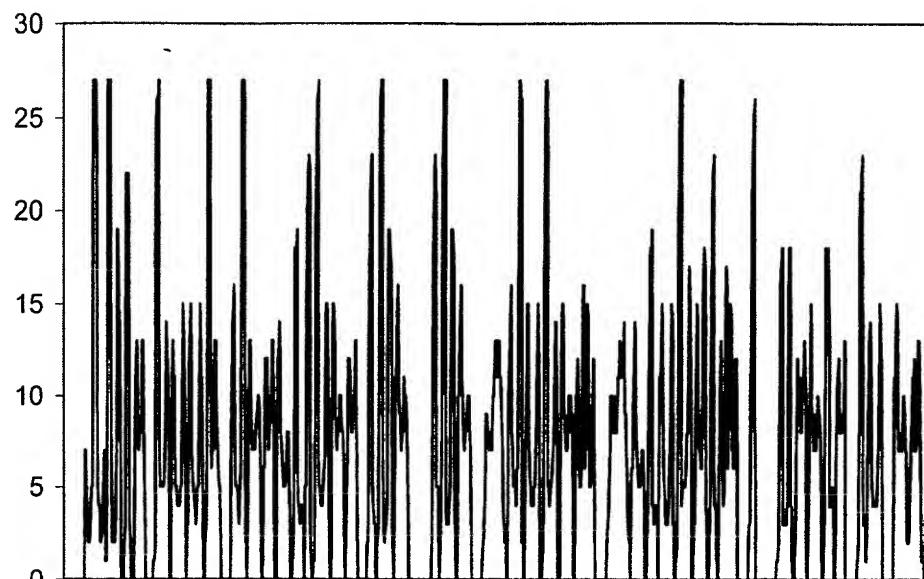


Figure 3

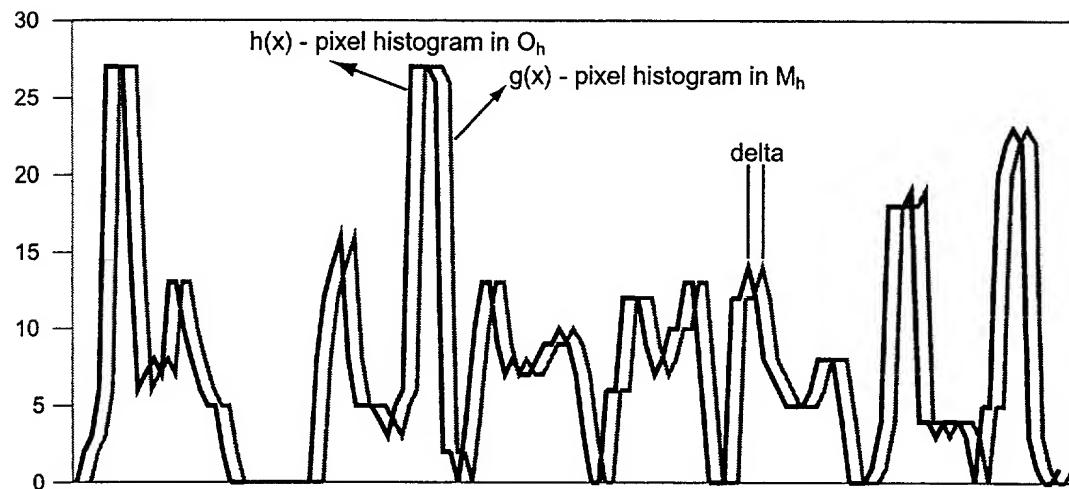


Figure 4